DISHWASHER
ZD 604 B
ZD 604 W

INSTRUCTION BOOKLET

CONTENTS

Warnings ..... page 3

Installation ..... page 4

Positioning, levelling, water supply connections, water, outlet connection ..... page 4

The electrical connections ..... page 5

Use ..... page 6

The water softener, filling with salt ..... page 7

Use of rinse aid, use of detergent ..... page 8

Loading the machine, use of the lower basket, use of the upper basket ..... page 9

Adjusting the height of the upper basket ..... page 10

Helpful hints ..... page 10

Washing programmes ..... page 11

Operating instructions ..... page 12

Maintenance and cleaning ..... page 13

Cleaning the central filters, cleaning the large filter, internal and external cleaning ..... page 13

Servicing ..... page 14

Peace of mind for twentyfour months ..... page 15

Building -in ..... page 16

TECHNICAL SPECIFICATIONS

DIMENSIONS	Width	cm 59,6
	Height	cm 82
	Max depth	cm 57,5
	Max depth with door open	cm 115
ELECTRICAL CONNECTION	Voltage	220-240 V / 50 Hz
POWER OF HEATING ELEMENT		2570 W
OVERALL POWER		2770 W
WATER SUPPLY PRESSURE	minimum	7 psi - 49 KN/cm^2
	maximum	110 psi - 758 KN/cm^2
CAPACITY (STANDARD IEC SETTINGS)		12
CONSUMPTION:	Water	29 l
	Electricity	1,6 kWh

WARNINGS

It is most important that this instruction book should be retained with the appliance for future reference. Should the appliance be sold or transferred to another owner, or should you move house and leave the appliance, always ensure that the book is left with the appliance in order that the new owner can get to know the functioning of the appliance and the relevant warnings.

These warnings are provided in the interest of safety. You must read them carefully before installing or using the appliance.

- Unplug the appliance and turn off the water after use.
- Any plumbing work required to install this appliance should be carried out by a qualified plumber or competent person.
- Any electrical work required to install this appliance should be carried out by a qualified electrician or competent person.
- This appliance is designed to be operated by adults. Children should not be allowed to tamper with the controls or play with the product.
- This product should be serviced by an authorised Zanussi Service Force Centre, and only genuine Zanussi spare parts should be used.
- It is dangerous to alter the specification or modify the product in any way.
- Care must be taken to ensure that the appliance does not stand on the electrical supply cable.
- Zanussi dishwashers are designed to be used for washing normal household utensils. Items that are contaminated by petrol, paint, steel or iron debris, corrosive, acidic or alkaline chemicals are not to be washed in a dishwasher.
- When finishing loading or unloading close the door, as an open door can be a hazard.
- If your house is fitted with a water softening unit or if you live in a soft water area, it is not necessary to add salt to the water softening unit in the dishwasher.
- Do not put in your dishwasher: Cutlery with wooden or horn handles or glued parts, bronze cutlery, saucepans with wooden handles unless they are sold as dishwasher proof, aluminium ware, crystal ware, leaded glass, plastic articles unless sold as dishwasher proof, antique china or fine decorated china unless sold as dishwasher proof. Always check with the manufacturer of the item if in any doubt.
- A chemical reaction can occur between silver cutlery and stainless steel cutlery. As a precaution do not wash together.
- Under no circumstances should you open the door whilst the appliance is in operation. Always turn off the appliance before opening the door.
- Care should be taken when cleaning the bottom door seal and hinge area as any exposed metal edges may cut if care is not taken.
- Built-in dishwashers only: The appliance must be secured to the underside of the worktop using the brackets provided. Failure to do this could result in an unstable appliance which may cause damage or injury.
- Under no circumstances should you attempt to repair the appliance yourself. Repairs carried out by inexperienced persons may cause injury or more serious malfunctioning. Refer to your local Zanussi Service Force Centre. Always insist on genuine Zanussi spare parts.

Remove all packaging before positioning the machine.

Positioning

If possible, position the machine next to a water tap and a drain.

The sides and the back of the dishwasher can rest against the adjacent furniture or the wall.

The dishwasher features fill and drain hoses which can be turned either to the left or the right to suit the installation.

Levelling

Good levelling is essential for correct closure and sealing of the door.

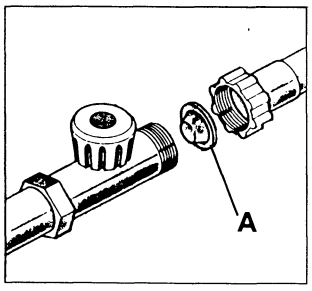
Loosen or tighten the adjustable support feet, until the machine is perfectly level.

Water Supply Connections

This dishwasher must be plumbed into a cold water supply and it is preferable for it to be permanently plumbed in.

The water pressure must be within the limits given in the technical specifications, as it will not function correctly if pressure is outside these specifications.

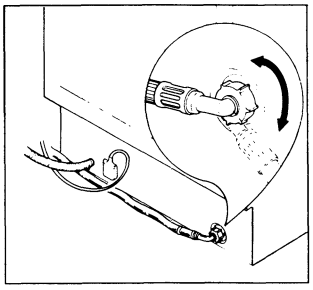
Your local Water Authority will advise you on the average mains pressure in your area. Where the water is supplied via a cold water storage cistern, you can work out the pressure yourself by measuring the vertical distance (or «head») between the machine's inlet hose and the outlet from the cold water storage cistern, allowing roughly 1 psi for every 2 feet.



For making the connection itself, the coupling nut fitted to the machine's supply hose is designed to screw onto either a 3/4 inch gas thread spout, or to a purpose-made quick-coupling tap such as the Press-Block.

To make this easier, the hose itself may be turned to the left or the right. In either case, be sure to incorporate the strainer (A) supplied with the machine into the joint. See picture.

Caution: the retaining ring must be correctly fitted to avoid water leaks.



Avoid bends or kinks in the hose which could prevent or slow down the flow of water.

If the machine is connected to new pipes or pipes which have not been used for a long time, you are advised to run the water for a few minutes before connecting the inlet hose. This will prevent deposits of sand or rust clogging the inlet hose filter.

Water Outlet Connection

The end of the drain hose can be connected as follows:

to the sink outlet siphon, securing it if necessary with a clip;

to a wall outlet provided with vent-hole, minimum internal diameter 4 cm;

hooked over the edge of the sink using the special curved plastic guide provided.

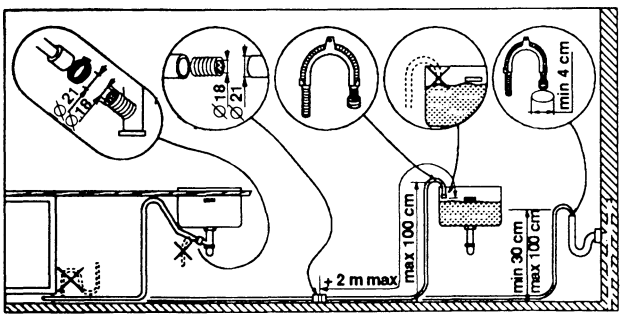
The waste connection must be at a height of between 30 cm (minimum) and 100 cm (maximum) from the floor.

It makes no difference which way the drain hose faces, either to the right or left of the dishwasher.

Avoid bending or kinking the hose as this could prevent or slow down the discharge of water.

If you use a drain hose extension it must be no longer than 2 metres and its internal diameter must be no smaller than the diameter of the hose provided.

Likewise the internal diameter of the couplings used for connection to the waste outlet must be no smaller than the diameter of the drain hose.



Note: The sink plug must not be in place when the machine is draining as this could cause the water to siphon back into the machine.

The electrical connections

WARNING: THIS APPLIANCE MUST BE EARTHED.

The manufacturer declines any liability should this safety measure not be observed.

If the plug that is fitted to your appliance is not suitable for your socket outlet, it must be cut off and the appropriate plug fitted.

Remove the fuse from the cut off plug.

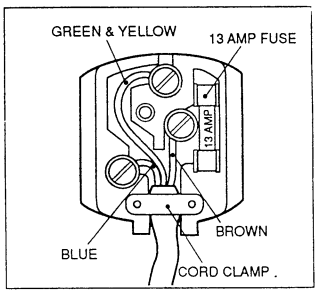
The cut off plug should then be disposed of to prevent the hazard of shocks in case it should be plugged into a 13amp socket in another part of your home.

Important

The wires in the mains lead are coloured in accordance with the following code:

Green and Yellow	**- Earth**
Blue	**- Neutral**
Brown	**- Live**

If you fit your own plug, the colours of the wires in the mains lead of your appliance may not correspond with the markings identifying the terminals in your plug, proceed as follows:



Connect the Green and Yellow (earth) wire to the terminal in the plug which is marked with the letter «E» or the earth symbol ⏚, or coloured green and yellow.

Connect the blue (neutral) wire to the terminal in the plug which is marked with the letter «N» or coloured black.

Connect the brown (live) wire to the terminal in the plug which is marked with the letter «L» or coloured red.

The plug moulded onto the lead incorporates a fuse. For replacement, use a 13amp BSI362 fuse. Only ASTA or BSI approved fuses should be used.

The plug must not be used if the fuse cover/carrier is lost. The cover/carrier is indicated by the coloured insert at the base of the plug.

A replacement cover/carrier must be obtained from your local Zanussi Service Force Centre whose address is listed in the Customer Care Booklet which accompanies your instruction manual.

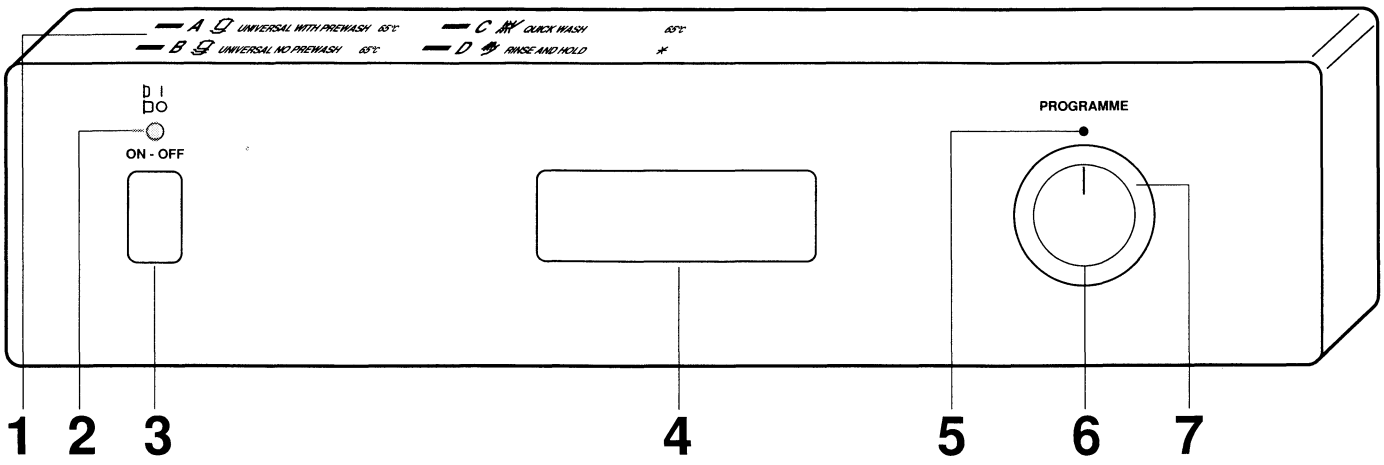
CE **This appliance complies with the following E.E.C. Directives:**

- 73/23 of 19.2.73 (Low Voltage Directive) and subsequent modifications;

- 89/336 of 3.5.89 (Electormagnetic Compatibility Directive) and subsequent modifications.

Please ensure that when the appliance is installed it is easily accessible for the engineer in the event of a breakdown.

The control panel



1. Programme Guide

This is a summary of the washing programme chart (page 11) to help you to select the correct programme.

2. Pilot Light

This comes on when the ON/OFF button (3) is depressed, indicating that the machine is on.

3. ON/OFF Pushbutton

ON

By depressing this pushbutton the machine starts operating and, at the same time, the pilot light illuminates.

OFF

When the washing programme has finished, the machine stops automatically and the pilot light (2) remains on.
To switch the pilot light off or to stop the machine at any time, press the same button again.

4. Door Handle

To open the door press the catch in the top of the recess and pull the door toward you at the same time.

5. Programme marker

6. Programme Selector Dial

To select a programme, turn the Programme Selector Dial clockwise, making sure that the programme letter you wish to select corresponds with the Grey Marker (5).

7. Wash Programme Phase Indicator

During the washing programme the Programme Selector Dial turns. The Marker on the programme selector dial will correspond to a symbol on the fascia indicating the function being performed.
Each symbol has a precise meaning:

- Prewash
- Main wash
- Cold rinses
- Warm rinse
- Drying

The Water Softener

Water contains varying amounts of lime and mineral salts depending on the area where you live: these are deposited on the dishes leaving white marks.

The higher the content of these salts, the harder your water will be. The «hardness» level is measured on 2 equivalent scales: French Degrees or Clarke Degrees.
Contact your local Water Authority to find the exact water hardness level for your area.

The dishwasher is equipped with a softener which uses special dishwasher salt to provide lime-free (softened) water. The softener can treat water hardness up to 90 french degrees via 5 adjustment levels.

Find on the table below the level corresponding to the hardness of your water and the required adjustments:

Water hardness		Level	Use of salt	Water softener adjustment	Adjustment on the machine
°dH Clarke degrees	°TH French degrees				
0-10	0-14	1	**NO	NO	NO
11-27	15-39	*2	YES	NO	NO
28-35	40-50	3	YES	YES	NO
36-49	51-70	4	YES	NO	YES
50-63	71-90	5	YES	YES	YES

* The water softener is factory set at level 2 as this suits most users.

** If you use phosphate free detergents containing enzimes, add salt in the water softener starting from 6 Clarke degrees.

Level 1

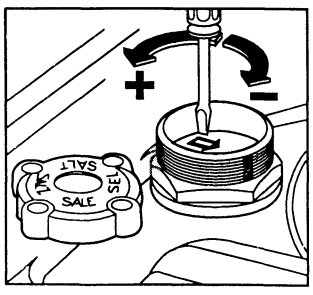
If your water is «level 1» it is already soft and therefore there is no need to use salt.

Levels 3 and 5 (water softener adjustment)

If your water is level 3 or 5, proceed as follows:

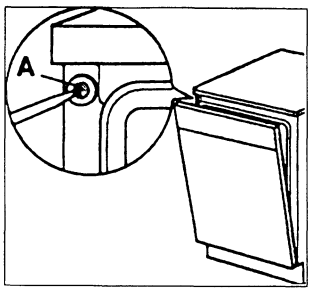
slide out the lower basket and unscrew the cap of the salt container;

turn the two-position selector anticlockwise from position — to position + with the aid of a knife or a screwdriver.



Levels 4 and 5 (adjustment on the machine)

If your water is level 4 or 5, open the door and drill membrane (A) on the upper left-hand corner of the machine.



With a water hardness of level 5 both adjustments must be made.

Important

Salt MUST be used regularly from level 2 upward.

Filling with Salt

Only use salt designed specifically for use in dishwashers. Other types of salt contain high percentages of other substances which may reduce the efficiency of the softener.

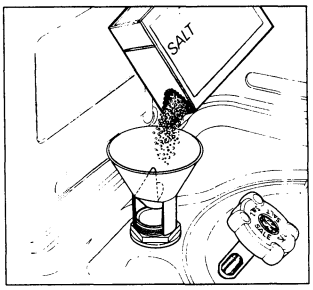
Unscrew the cap of the salt container.

Fill the container with 1 lt of water (this operation is necessary only the first time).

Place approximately 1.5 kg of dishwasher salt inside using the funnel provided (see figure).

Replace the cap making sure that there is no trace of salt on the screw thread or on the gasket.

Screw the cap on tightly.



When this has been done, all that is required is to periodically add salt to the container. You are reminded of this by the Green Salt Refill Indicator on the cap of the salt container, which will disappear when the salt has finished.

The salt container has always some water inside which will normally overflow when refilling it with salt.

Caution

Only fill with salt just before starting one of the complete washing programmes (not the Rinse and Hold programme). This will prevent any grains of salt or salty water, which may have been spilled, remaining on the bottom of the machine for any period of time. This could cause corrosion.

Rinse Aid

This liquid gives the dishes a shiny finish and improves drying. It is automatically added during the hot rinse. The dispenser, which is positioned inside the door, holds about 110 ml of rinse aid, which is sufficient for 16-40 dishwashing programmes, depending upon the dosage setting.

Filling with Rinse Aid

Open the container by turning the lid (A) anticlockwise.

Add rinse aid until the container is completely full (approx. 110 ml). The indicator (B) will be completely dark.

Top up with rinse aid when the indicator (B) becomes clear.

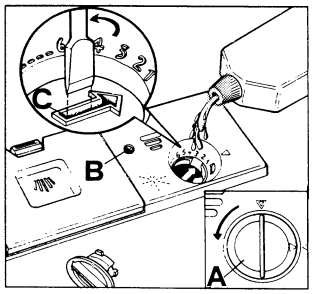
Remember to CLOSE the lid after every refill.

Caution

Clean up any rinse aid spilt during filling with an absorbent cloth to avoid excess foaming during the next wash.

Adjusting the Dose

According to the finish and drying results obtained, adjust the dose of rinse aid by means of the 6 position selector (C) (position 1 - minimum dose, position 6 - maximum dose). Gradually increase the dose if there are drops of water or lime spots on the dishes after washing. Reduce it if there are sticky whitish streaks on the dishes.



Use of Detergent

Before starting any of the dishwashing programmes, except for the rinse and hold programme, load the detergent in the dispenser.

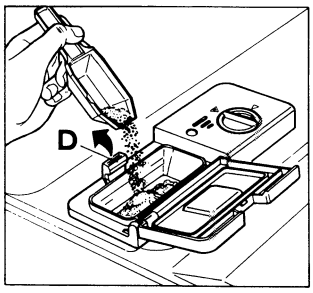
Use only tablets, powder or liquid detergents specifically designed for domestic dishwashers.

Unsuitable detergents (such as those for washing by hand) do not contain the right ingredients for machine washing and hamper correct functioning of the machine.

To open the dispenser lid, pull the catch (D). This will open it.

At the end of any washing programme the lid is always open, ready for the next wash.

The amount of detergent to be used varies depending on how soiled the dishes are and the type of dishes being washed. We recommend the amounts shown in the programme chart.



After filling the dispenser with detergent, close the lid.

Since not all detergents are the same, you should also consult the instructions on the packet.

Remember that insufficient quantities of detergent will produce poor washing results whereas an excessive amount of detergent does not improve washing results and is also wasteful.

Using no more than the correct amount of detergent also contributes to reducing pollution.

Zanussi recommends the use of Finish dishwasher detergent.

Phosphate free detergents with enzymes

These new detergents, although welcome from an ecological point of view, react far more susceptibly to water hardness than conventional products.
Therefore, in order to avoid white lime deposits on crockery and the inner tub, you should add salt in the water softener even if the hardness of your water is as low as 6 Clarke degrees, when using these new detergents.

Loading your Machine

Before placing dishes in the machine, remove any large scraps of food from the plates (small bones, toothpicks, fish bones, scraps of meat and vegetables, fruit skins etc.) to avoid clogging the filters and consequently reducing performance.

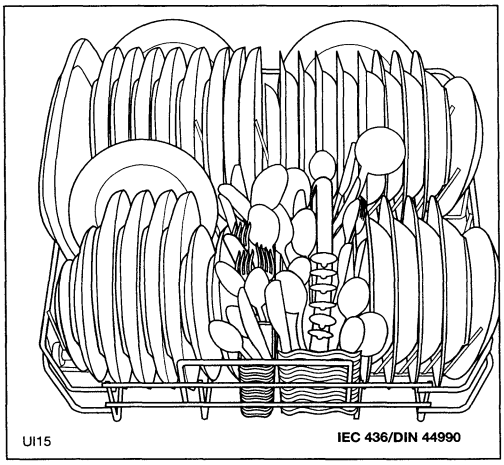
Open the door and slide out the baskets to load the dishes.

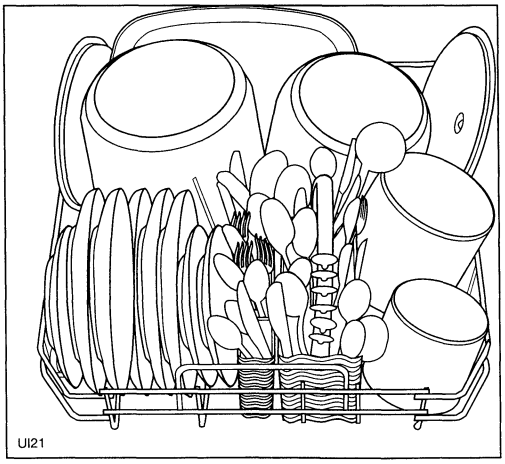
Use of the Lower Basket

The lower basket is designed to take saucepans, lids, plates (up to 27 cm in diameter), salad bowls, cutlery etc.

Serving dishes and large lids should be arranged around the edge of the basket, ensuring that the upper spray arm can turn freely.

Cutlery should be placed in the removable cutlery

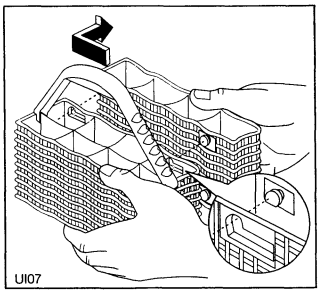




basket with the handles facing downwards. If the handles protrude from the bottom of the basket, obstructing the lower spray arm, load the cutlery with the handles facing upward.

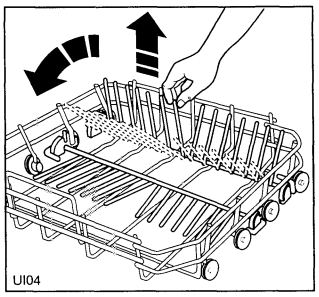
Mix spoons with the other cutlery to prevent them sticking together

Teaspoons may be loaded into the special slots provided in the cutlery basket handle.



The cutlery basket is in two parts which can be separated to give greater loading flexibility. To separate the two parts, slide them horizontally in opposite directions and pull them apart. To reassemble, reverse the procedure.

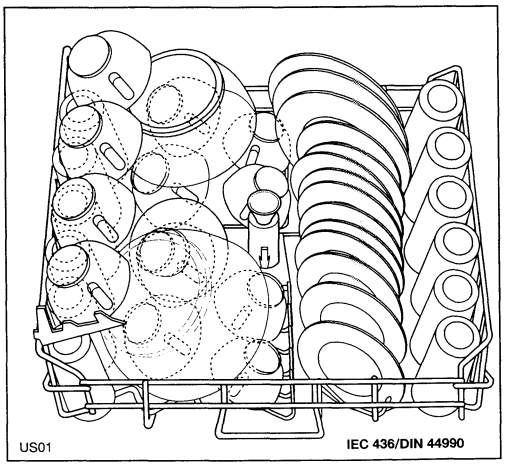
The two rear rows of prongs of the lower basket can be easily lowered to allow you to load pots,pans and bowls.

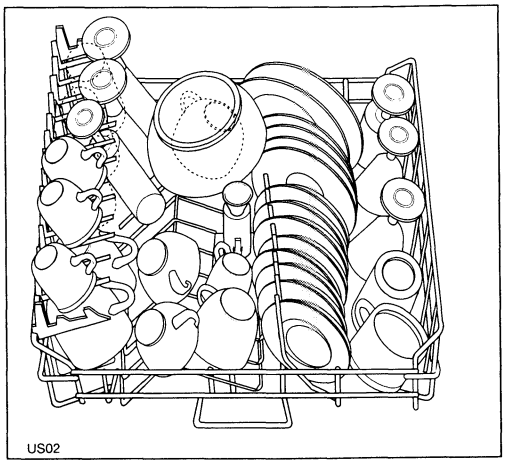


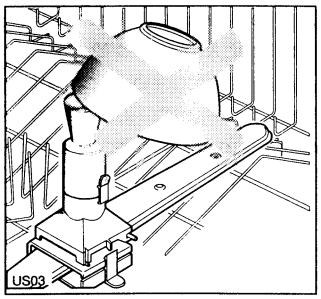
To lower the prongs: slightly pull them upward and let them drop down (see picture); to bring them back to the standing position, just pull them up again.

Use of the Upper Basket

The upper basket is designed for plates (dessert plates, saucers, dinner plates up to 24 cm in diameter), salad bowls, cups and glasses; these should be arranged as shown in the pictures. Glasses with long stems can be placed upside-down in the raised cup-racks.







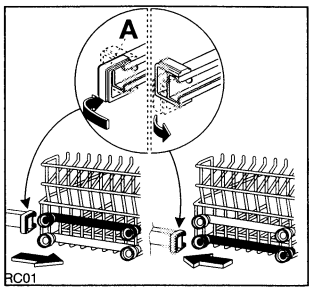
Caution

When loading the dishes, ensure that you do not cover the water inlet funnel in the middle of the upper basket.

Before closing the door, ensure that the spray arms can rotate freely.

Adjusting the Height of the Upper Basket

If washing very large plates (over 27 cm and up to 31 cm in diameter) you can load them in the lower basket after moving the upper basket to the higher position as follows:



Move the front runner stops (A) of the upper basket outward and slide the basket out.

Refit the basket in the higher position and replace the stops (A) in their original position.

When the top basket is in the higher position it will only take plates up to 15 cm in diameter and you will not be able to use the raised cup racks.

HELPFUL HINTS

For Best Washing Results:

Before loading, remove all scraps of food and soak very heavily soiled pots and pans.

Always arrange saucepans, cups and glasses etc. up side-down.

Tilt items with convex or concave surfaces so that the water drains off easily.

Long items of cutlery such as ladles, carving knives etc. should be positioned horizontally in the upper basket.

Avoid contact between the dishes as far as possible; correct arrangement of the items will give better washing results.

Light items (plastic bowls etc.) should be loaded in the upper basket and arranged so that they do not move during washing.

To Save Energy

Do not prewash dishes under running water.

Place dishes in the machine immediately after every meal and wait until the dishwasher is full before washing.

If necessary run the Rinse and Hold programme (see Programme Chart on the following pages), so that any food scraps do not become caked on the dishes while you are waiting to run the complete wash programme.

You will improve drying results by leaving the dish washer door ajar for at least 15-30 minutes as soon as the programme finishes.

Care must be taken when opening the door, as steam will escape.

Items not Suitable for Dishwashers

The following should not be washed in the dish washer:

Cutlery or dishes with wooden or horn handles or glued parts.

Handmade items, wooden objects, antiques or hand painted china.

Certain types of decoration can discolour when washed in a dishwasher.

Crystal-ware and plastic objects, if not guaranteed dishwasher-proof, should be washed by hand. You are advised to place them in the upper basket and to se lect a delicate programme.

Certain types of glass can also become opaque after being washed several times in a dishwasher.

Silver cutlery tends to go black if mixed with steel cut lery. Place it in the cutlery basket separate from the others.

Iron and cast iron objects can rust and stain other items.

Aluminium tends to go black; copper, pewter and brass tend to stain.

Caution: You are advised not to load very small or plastic items which can fall through the baskets.

Note: When buying new dishes, ensure that they are dishwasher-proof .

WASHING PROGRAMMES

Type of Load	Degree of Soil	Programme Knob Setting	Required Pushbuttons	Recommended Quantity of Detergent	Cycle Description
* Crockery, Cutlery, Pots & Pans	Heavy soil	**A**		2 dessert spoons (25 g)	Cold Prewash Main wash up to 65°C 2 cold rinses 1 hot rinse up to 65°C Drying
Crockery, Cutlery Pots & Pans	Normal soil	**B**		2 dessert spoons (25 g)	Main wash up to 65°C 2 cold rinses 1 hot rinse up to 65°C Drying
** Crockery and Cutlery	Quickwash (Light soil)	**C**		1 heaped dessert spoon (15 g)	Main wash up to 65°C 2 cold rinses
Any Partial load (to be completed later in the day)	Rinse and Hold	**D**		/	Cold rinse

* This programme is equivalent to IEC436 standard.

** This is a special programme for fast washing (approx. 32 minutes) a full load of lightly soiled dishes, glasses and crockery (except pots) so that you may re-use them promptly. Due to the shortness of this programme, no drying phase is provided.

Operating Instructions

1 Check that the filters are clean
(see cleaning instructions)

2 Check that there is salt and rinse aid

3 Load the dishes

Remove larger scraps of food.

Pull the lower basket out and arrange the saucepans, plates and cutlery in it.

Pull the upper basket out and arrange the plates, saucers, glasses and cups etc. in it.

Slide the baskets back into the machine.

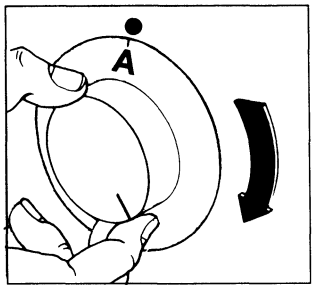
Ensure that the spray arms can rotate freely.

4 Measure out detergent

Pour the required amount of detergent into the dispenser according to the indications in the Washing Programmes chart and close the lid.

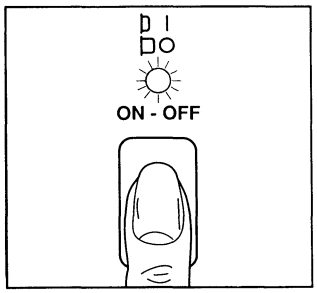
Close the dishwasher door.

5 Set the programme



Turn the Programme Selector Dial clockwise until the letter of the programme you wish to select corresponds with the Grey Programme Marker (●) on the control panel.

6 Start the programme



Depress the ON/OFF pushbutton. The pilot light will illuminate and the machine will start.

If you wish to interrupt the wash at any time press button again.

To restart the machine, depress the same button again and the programme will continue from the point where it was interrupted.

7 At the end of the washing programme the White Marker will correspond with the Grey Marker on the control panel.
The machine will stop and the pilot light remains on until ON/OFF button is depressed.

Turn off the water tap.

Open the door and wait a few minutes before removing the dishes; in this way they will be cooler and drying will be improved.

Empty the lower basket first and then the upper one; this will avoid water dripping from the upper basket onto the dishes in the lower one.

Caution

In general it is not advisable to open the door while the machine is working; if the door is opened however, a safety device ensures that the machine stops.

If you have to open the door while the machine is working, always switch off the appliance first by pressing the ON/OFF button.

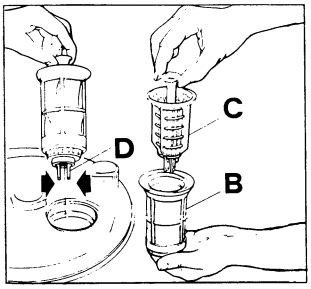
Care must be taken if opening the door, as steam will escape.

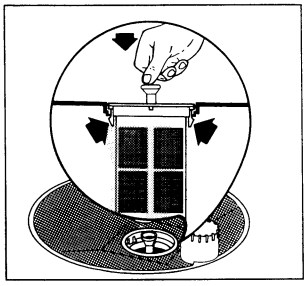
Cleaning the Central Filters

(After each wash)

Inspect the central filters (B) and (C) and remove any scraps of food with a brush, under running water.

Filters (B) and (C) are both removed by lifting up the outer one (B) (pulling the central funnel upwards); the smaller filter (C) can then be removed by pressing the two tongues (D).



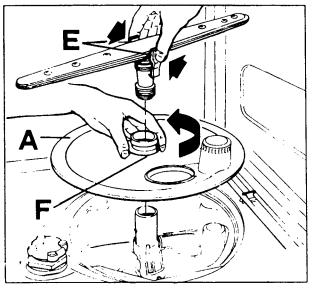


Once cleaned, refit the filters by pressing them down until they click into place.

Cleaning the Large Filter

(Once a month)

Clean the large filter (A) on both sides under running water, using a brush.
To take it out, remove the spray arm by pressing the two tongues (E), turn the ring (F) anticlockwise (towards the left) and then slide the whole part out.
Refit the filter following the above instructions in reverse order.



Caution: the dishwasher must not be used without filters.

Incorrect repositioning of the filters will produce poor washing results.

Cleaning of the filters is vital to ensure correct operation of the machine.

Internal and External Cleaning

You must ensure that the seals around the door, the detergent and rinse aid dispensers are cleaned regularly with a damp cloth.

We recommend the use of Finish Dishwasher Cleaner every 3 months, or run a wash programme without dishes using detergent.

Check that the spray arm nozzles are not obstructed.
To remove the bottom spray arm, release it from its securing catches and pull it out. To clean the nozzles of the top spray arm, slide out the top basket whereby the spray arm will become accessible. To remove it, unhook it from the central support (see Reversible Spray Arm).
Wash the spray arms under running water and refit them back.

Never use the dishwasher without spray arms.

Clean the external surfaces of the machine and control panel with a soft damp cloth. If necessary use only neutral detergents. Never use abrasive products, scouring pads or solvents (acetone, trichloroethylene etc...).

Prolonged Periods of Non-Operation

If you are not using the machine for any period of time you are advised to:

unplug the appliance and turn off the water;

fill the rinse aid dispenser;

leave the door ajar to prevent the formation of unpleasant smells;

leave the inside of the machine clean.

Frost Precautions

Avoid placing the machine in a location where the temperature is below 0°C.

If this is unavoidable, empty the machine, close the water inlet tap, disconnect the water inlet pipe and empty it.

Moving the Machine

If you have to move the machine (you are moving house etc...):

unplug it;

turn off the water tap;

remove the water inlet and discharge hoses;

pull the machine out together with the hoses.

Caution: avoid over tilting the machine during transport.

SERVICING

Certain problems are due to lack of simple maintenance or oversights and can be solved easily without having to call out an engineer.

The machine will not start

- The door has not been properly closed.
- The plug is not properly inserted in the power socket.
- There is no current at the socket. Check the fuse.

The machine will not fill with water

- The water tap is shut.
- The water supply has been cut off.
- The inlet hose is kinked.
- The water inlet hose filter is clogged.

The machine will not drain

- The drain hose is kinked.
- The sink drain is blocked.
- The drain hose extension is not correct.
- There is no air vent in the end of the drain hose.

The dishes are not clean (poor wash)

- The baskets are too full.
- The dishes have not been arranged properly.
- The spray arms do not rotate.
- The spray arm holes are clogged.
- The water inlet funnel in the centre of the upper basket is covered by dishes.
- The end of the drain hose is submerged in waste water (in the sink).
- The filters are clogged.
- The filters are not in position.
- Not enough detergent has been used or it is unsuitable.
- The detergent is old or has gone hard.
- The salt container cap is not properly closed.
- The washing programme selected is too gentle.

Visible lime deposits or white film on the dishes

- There is no salt or the softener has not been adjusted to the hardness of the water.
- The rinse aid has run out or too little is being used

The machine is noisy

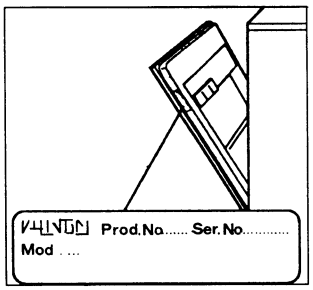
- The dishes are rattling against each other.
- The spray arms are knocking against the dishes.

The dishes are not quite dry

- The dishes have been left too long inside the machine.

The door is difficult to close

- The dishwasher is not level or is not properly built-in.



If, after the above checks, the fault persists, call your local Zanussi Service Centre, whose address can be found in the accompanying Customer Care Booklet, and can also be found in your local telephone directory under «Z». Please make sure you give the model and serial number of the appliance. This information can be found on the rating plate located on the right-hand side of the dishwasher door (see picture).

Original spare parts can be purchased from Zanussi Service Centres.

In guarantee customers should ensure that the above checks have been made as the engineer will make a charge if the fault is not a mechanical or electrical breakdown.

Please note that proof of purchase is required for any guarantee service calls.

Service details - adhesive label

When you return your guarantee card to Zanussi Ltd., you will receive a «Appliance Guarantee And Maintenance Record» together with an adhesive label (containing the telephone number of your local Zanussi Service Centre). The label can be adhered to the machine or adjacent furniture.

PEACE OF MIND FOR TWENTYFOUR MONTHS

Zanussi guarantee conditions

This guarantee is in addition to your statutory and other legal rights which will not be excluded or in any way diminished by the return of this guarantee card.

We, Zanussi Ltd., undertake that if, within twentyfour months of the date of the purchase, this ZANUSSI appliance or any part thereof is proved to be defective by reason only of faulty workmanship or materials, we will, at our option, repair or replace the same FREE OF ANY CHARGE for labour, materials or carriage on condition that:

* The appliance has been correctly installed and used only on the electricity supply stated on the rating plate.
* The appliance has been used for normal domestic purposes only, and in accordance with the manufacturer's operating and maintenance instructions.
* The appliance has not been serviced, maintained, repaired, taken apart or tampered with by any person not authorised by us.
* The appliance is still in the possession of the original purchaser.

All service work under this guarantee must be undertaken by a Zanussi Service Force Centre.

Home visits are made between 8.30 am and 5.30 pm Monday to Friday. Visits may be available outside these hours in which case a premium will be charged.

Any appliance or defective part replaced shall become our property.

Exclusions

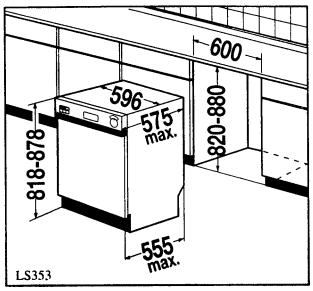
This guarantee does not cover:

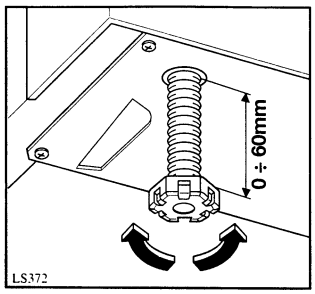
* Damage or calls resulting from transportation, improper use or neglect, the replacement of any light bulbs or removable parts of glass or plastic.
* Costs incurred for calls to put right machines improperly installed or calls to machines outside the UK and the Republic of Ireland.
* Appliances found to be in use within a commercial or similar environment, plus those which are the subject to rental agreements.
* Products of Zanussi manufacture which are NOT marketed by Zanussi Ltd.
* EEC Countries - The standard guarantee is applicable but subject to the owner's responsibility and cost to ensure the appliance meets the standards set by the country to which the product is taken. The Zanussi company in the country concerned will be pleased to advise further. Sight of your purchase receipt will be required by them.

BUILDING-IN

Building-in features

This dishwasher is designed to be fitted under a kitchen counter or sink.
In either case, it is essential that the recess dimensions indicated in the picture are followed.
No further openings for venting of the dishwasher are required, but only to let the water inlet and drain hoses and power supply cable pass through.





The recess height may be anywhere between 820 and 880 mm from the floor inasmuch as the dishwasher incorporates levelling feet adjustable over a wide range (max 60 mm).

Adjust the height of the appliance by turning these feet.

A distance of 2 mm should be allowed between the top of the dishwasher and the counter top.

Fitting under a counter (kitchen worktop or sink)

It is absolutely essential that the dishwasher is disconnected from the electricity supply before gaining access to any internal component.

Fit the dishwasher into the appropriate housing space and connect it. Make sure that the water fill and drain hoses and the power supply cable are not bent or kinked.

Fitting the panel to the door

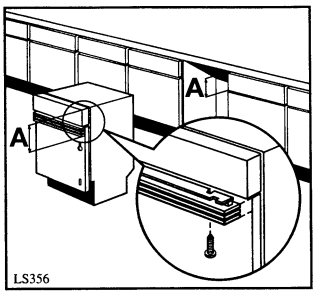
The door on this model is designed for the overlay of a panel having the following dimensions:

Width:	596 mm
Height:	590 mm max
Thickness:	20 mm max
Weight:	2 to 7.5 kg max

Note:

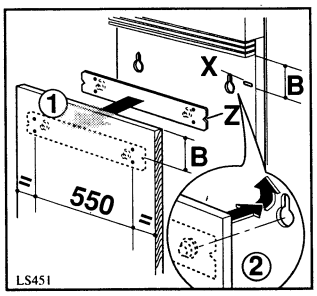
The panel height should not be more than what indicated, otherwise complete opening of the door will no longer be possible as the panel hits against the dishwasher plinth.

It is possible to line up the control panel to correspond with the height of the drawers of the adjacent furniture, thus co-ordinating with the rest of the furniture in your kitchen.



Add one or more of the fillets provided until you reach the desired height. Secure the fillets as shown in the picture, by means of two screws 4.2x38 provided therewith.

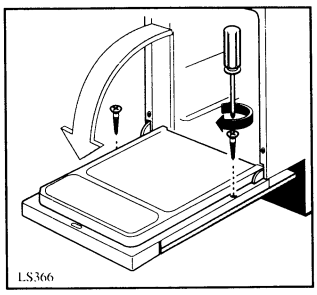
Prepare the panel as follows:



Measure the distance (B) between the underside of the control panel (or fillets) and the reference notch (X) on the door.
Measure the same distance (B) on the wooden panel starting from the upper edge.
Position the supporting cross-bar provided, with the reference notch (Z) in line with (B) on door panel. Keep the same distance between the centre of the support's fastening holes and the side edges of the wooden panel when fixing to the door panel.

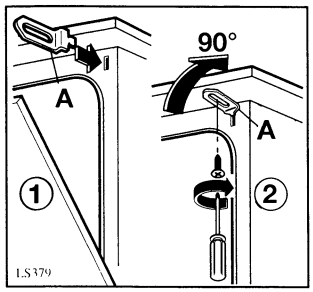
On the panel mark the position for the four fastening screws. Drill the panel with a Ø 2x12 bit and fix the supporting cross-bar onto the wooden panel with the 3.5x16 screws provided.

Mount the decor panel by inserting the two pivots of the cross-bar into the slotted holes of the door.
Lift the decor panel until the alignment with the facia panel is obtained.



Once the correct position has been found, open the door and fasten the decor panel on the lower section by means of the two long screws 4x40 provided, using the holes of the inner door (see fig.)

Securing under a counter



Open the door; vertically insert the two mounting brackets (A) on the front part of the dishwasher and turn them 90° (see fig.). Secure the brackets to the counter by means of two 3.5x16 screws provided.

Important!

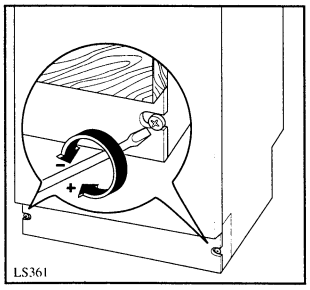
The dishwasher must be secured against tilting. Therefore, make sure that the counter it is fitted under, is suitably secured to a fixed structure (adjacent kitchen cabinets, wall).

Attention!

When the dishwasher is secured to the kitchen cabinets, do not drill any holes into the sides of the machine.

Adjusting the door balance

The door of the dishwasher is balanced when it is open in any position.



Fitting the decor panel may sometimes affect this balance. In this case it will be necessary to adjust the balance as follows:
Half-open the door and regulate the screws located on the kick plate.

By screwing or unscrewing these screws, the tension of the door balancing springs is increased or decreased respectively.

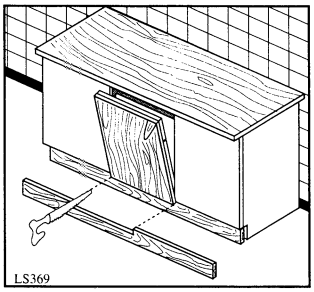
Attention!

The weight of the panel should be within the limits given in the "dimensions of the panel", otherwise balancing the door will not be possible.

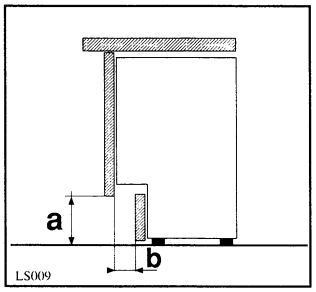
Levelling

Make sure that the dishwasher door closes properly, without rubbing on sides. Otherwise level the machine by slightly screwing or unscrewing the two front feet until perfect closure of the door is reached.

Kitchen plinth adjustment



To allow correct opening of the door it is sometimes necessary to cut the kitchen plinth. Refer to the cutting table below.



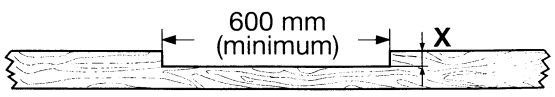
According to dimensions of (a) and (b) as shown on the figure, you will find on the following table the depth (**X**) of the cut to be made on the plinth.

The dimensions (a) and (b) of the table are those more frequently used in the kitchen furnitures.

Height (a)

Depth (b)	170	160	150	140	130	120	110	100
40	**32**	**28**	**25**	**22**	**20**	**20**	**15**	**15**
50	**35**	**28**	**25**	**22**	**20**	**18**	**18**	**15**
60	**32**	**28**	**25**	**22**	**20**	**18**	**15**	**15**
70	**32**	**25**	**22**	**20**	**20**	**15**	**15**	**15**
80	/	**20**	**20**	**15**	**15**	**15**	**12**	**12**
90	/	/	**12**	**10**	**10**	**10**	**10**	**10**
100	/	/	/	**5**	**5**	**5**	**5**	**5**

X



Dimensions of the cut on the plinth

Stampato su carta ecologica
(prodotta senza cloro)

Printed in Italy

152995 18/0

GB

0/0296